

CLAIMS

1. A composition for delivery of alprazolam consisting of a condensation aerosol
 - a) formed by volatilizing a thin layer of alprazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of alprazolam and condensing the heated vapor of alprazolam to form condensation aerosol particles,
 - b) wherein said condensation aerosol particles are characterized by less than 5% alprazolam degradation products, and
 - c) the condensation aerosol has an MMAD of less than 3 microns.
2. The composition according to Claim 1, wherein the aerosol particles are formed at a rate of at least 10^9 particles per second.
3. The composition according to Claim 2, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.
4. The composition according to Claim 1, wherein the condensation aerosol particles are characterized by less than 2.5 percent by weight of alprazolam, degradation products.
5. A composition for delivery of estazolam consisting of a condensation aerosol
 - a) formed by volatilizing a thin layer of estazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of estazolam and condensing the heated vapor of estazolam to form condensation aerosol particles,
 - b) wherein said condensation aerosol particles are characterized by less than 5% estazolam degradation products, and
 - c) the condensation aerosol has an MMAD of less than 3 microns.
6. The composition according to Claim 5, wherein the aerosol particles are formed at a rate of at least 10^9 particles per second.
7. The composition according to Claim 6, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.

8. The composition according to Claim 5, wherein the condensation aerosol particles are characterized by less than 2.5 percent by weight of estazolam, degradation products.

9. A composition for delivery of midazolam consisting of a condensation aerosol
a) formed by volatilizing a thin layer of midazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of midazolam and condensing the heated vapor of midazolam to form condensation aerosol particles ,
b) wherein said condensation aerosol particles are characterized by less than 5% midazolam degradation products, and
c) the condensation aerosol has an MMAD of less than 3 microns.

10. The composition according to Claim 9, wherein the aerosol particles are formed at a rate of at least 10^9 particles per second.

11. The composition according to Claim 10, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.

12. The composition according to Claim 9, wherein the condensation aerosol particles are characterized by less than 2.5 percent by weight of midazolam, degradation products.

13. A composition for delivery of triazolam consisting of a condensation aerosol
a) formed by volatilizing a thin layer of triazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of triazolam and condensing the heated vapor of triazolam to form condensation aerosol particles,
b) wherein said condensation aerosol particles are characterized by less than 5% triazolam degradation products, and
c) the condensation aerosol has an MMAD of less than 3 microns.

14. The composition according to Claim 13, wherein the aerosol particles are formed at a rate of at least 10^9 particles per second.

15. The composition according to Claim 14, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.

16. The composition according to Claim 13, wherein the condensation aerosol particles are characterized by less than 2.5 percent by weight of triazolam degradation products.

17. A method of producing alprazolam in an aerosol form comprising:

- a. heating a thin layer of alprazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the alprazolam to form a heated vapor of the alprazolam, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the alprazolam comprising less than 5% alprazolam degradation products, and an aerosol having an MMAD of less than 3 microns.

18. The method according to Claim 17, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

19. The method according to Claim 18, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second

20. A method of producing estazolam in an aerosol form comprising:

- a. heating a thin layer of estazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the estazolam to form a heated vapor of the estazolam, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the estazolam comprising less than 5% estazolam degradation products, and an aerosol having an MMAD of less than 3 microns.

21. The method according to Claim 20, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

22. The method according to Claim 21, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.

23. A method of producing midazolam in an aerosol form comprising:

- a. heating a thin layer of midazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the midazolam to form a heated vapor of the midazolam, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the midazolam comprising less than 5% midazolam degradation products, and an aerosol having an MMAD of less than 3 microns.

24. The method according to Claim 23, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

25. The method according to Claim 24, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.

26. A method of producing triazolam in an aerosol form comprising:

- a. heating a thin layer of triazolam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the triazolam to form a heated vapor of the triazolam, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the triazolam comprising less than 5% triazolam degradation products, and an aerosol having an MMAD of less than 3 microns.

27. The method according to Claim 26, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

28. The method according to Claim 27, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.